	Application No.	Applicant(s)	
Notice of Allowability	08/736,143	APPLE ET AL.	
	Examiner	Art Unit	
	Antonio A Caschera	2676	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Interview Summary dated 2/08/2005.*

2. ☒ The allowed claim(s) is/are *1-38*.

3. ☒ The drawings filed on *28 October 1996* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date *2/8/05* .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

DETAILED ACTION

Priority

1.   Acknowledgment is made of applicant's claim for domestic priority under 35

U.S.C. 119(e).

Examiner's Amendment

2.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Josh Wymard and Denis Maloney on 2/08/05.

The application has been amended as follows:

1. (Currently Amended) A system for dynamically displaying graphic symbols and value

information for financial instruments comprising:

an input port to receive a feed containing identifiers and corresponding values of

financial instruments;

a filter to extract from the feed the identifiers and corresponding values of the financial

instruments;

an input processor comprising a memory to store the extracted financial instrument

identifiers and corresponding values;

a database that stores ~~graphics that include non-textual data, the graphics representing~~

~~graphic symbols that represent~~ entities whose financial instruments are identified by the

instrument identifiers in the feed and that can be accessed by financial instrument identifiers to

provide ~~graphics~~ ~~graphic symbols~~ corresponding to the financial instrument identifiers in the

feed;

a display controller for forming display signals with the ~~graphic symbols~~ graphics and

values corresponding to the financial instruments in the feed; and

a video wall including

a plurality of individual monitors arranged into a composite display, and with the display

controller receiving the display signals to render the ~~graphic symbols~~ graphics and values

corresponding to the financial instruments in the feed on the individual monitors.

2. (Original) The system of claim 1 wherein the feed is a stock ticker feed and the financial

instruments are stocks traded over an exchange.

3. (Original) The system of claim 2 wherein the values include the current trading price of the

stocks.

4. (Currently Amended) The system of claim 3 wherein the ~~graphic symbols~~ graphics ~~include~~ are

~~corporate~~ company logos, the company logos including non-textual information for companies

issuing the stocks.

5. (Currently Amended) The system of claim 4 further comprising;

a control system and wherein the control system processes the display signals such that

the video wall displays a moving ticker display of ~~corporate~~ company logos and values of trades

in stocks.

6. (Previously Presented) The system of claim 1 wherein the display controller further includes

a plurality of display processors coupled to the input processor and each provided from a

respective one of the plurality of display signals.

7. (Previously Presented) The system of claim 6 further including a network to couple the input

processor to the plurality of display processors.

8. (Previously Presented) The system of claim 7 further including a control processor coupled

to the display processors and the input processor via the network to synchronize the display

processors.

9. (Currently Amended) The system of claim 1 wherein the display signals are fed to the

individual monitors to render a different ~~graphic symbols~~ graphic and associated financial data

on each of the monitors.

10. (Previously Presented) The system of claim 6 wherein the feed is a stock ticker feed, and

wherein the display processors include stock ticker display processors to display a moving stock

ticker on the video wall.

11. (Original) The system of claim 1 wherein the video wall further includes video wall

processors for processing the display signals for display on the monitors.

12. (Previously Presented) The system of claim 1 further including a plurality of routing

switches coupled between the display controller and the video wall for controlling the routing of

the display signals to the monitors.

13. (Original) The system of claim 1 further including

a video source, coupled to the routing switches, for producing video signals for display

on the video wall.

14. (Previously Presented) The system of claim 1 further including

an audio source for producing audio signals; and

a speaker to produce the audio signals.

15. (Currently Amended) A system for dynamically displaying financial information comprising:

a first input port for receiving a first feed containing identifiers and corresponding values

of financial instruments;

a second input port for receiving a second feed containing financial data;

a filter to extract from the first feed the identifiers and corresponding values of the

financial instruments and from the second feed the financial data;

a memory to store the extracted financial instrument identifiers, corresponding values,

and financial data;

a data structure associating the extracted financial instrument identifiers with

corresponding ~~graphic symbols~~ graphics, the ~~graphic symbols~~ graphics including non-textual

information and being publicly acknowledged identifiers of entities whose financial instruments

are identified by the instrument identifiers in the feed;

a video processor to produce a first display signal with the ~~graphic symbols~~ graphics and

values corresponding to the financial instruments in the feed and a second display signal with

the financial data; and

a video wall including

a plurality of individual monitors arranged into a composite display to receive the first and second display signals and display the financial data and the ~~graphic symbols~~ graphics and values corresponding to the financial instruments.

16. (Currently Amended)   A method for dynamically displaying ~~graphic symbols~~ graphics and value information for financial instruments on a video wall including a plurality of individual monitors arranged into a larger display, the method comprising:

receiving a feed containing identifiers and corresponding values of financial instruments;

extracting from the feed the identifiers and corresponding values of the financial instruments;

storing the extracted financial instrument identifiers and corresponding values;

using the extracted financial instrument identifiers to find ~~graphic symbols that are~~ company logos of entities associated with the extracted identifiers, the company logos including non-textual information:

forming a display signal with the ~~graphic symbols~~ company logos and values corresponding to the financial instruments in the feed; and

displaying on the video wall the ~~graphic symbols~~ company logos and values corresponding to the financial instruments in the feed.

17. (Currently Amended)   A system for displaying stock ticker information comprises:

a display; and

an electronic device that produces a signal that when fed to the display scrolls market data across the display, said market data comprising a company logo, the company logo

including non-textual information and being juxtaposed with financial information including

real-time textual data associated with financial instruments of entities identified by instrument

identifiers in a feed received by the system.

18. (Previously Presented) The system of claim 17 wherein the electronic device is a computer,

and the computer is responsive to a source containing financial information and a source that

contains bit map data corresponding to the company logo.

19. (Previously Presented) The system of claim 18 wherein the financial information includes

company identifiers and wherein the company identifiers are used to access bit maps

corresponding to the company logos.

20. (Currently Amended) The system of claim 18 wherein the source of bitmaps is contained in a

database of company logo bitmaps.

21. (Previously Presented) The system of claim 18 wherein the source containing financial

information is a database of financial data.

22. (Previously Presented) The system of claim 18 wherein the real-time textual data scrolled on

the display are updated according to market conditions.

23. (Previously Presented) The system of claim 22 further comprising a filter coupled to a source

containing financial data, said filter extracting the real-time textual data and placing the real-

time textual data in a database.

24. (Previously Presented) The system of claim 17 further comprising a correlator that

correlates a bitmap of a company logo with financial data contained in a database.

25. (Previously Presented) The system of claim 24 wherein the real-time textual data scrolled on

the display are updated according to market conditions,

26. (Previously Presented) The system of claim 24 further comprising a filter coupled to a source containing financial data, said filter extracting the financial data and placing the financial data in a database.

27. (Currently Amended) A method for displaying stock ticker information comprises:

displaying market data across an electronic monitor, said market data comprising a company logo, the company logo including non-textual information and stock ticker real-time textual data associated with the company logo, the real-time textual data juxtaposed with the company logo.

28. (Previously Presented) The method of claim 27 wherein displaying associates a data source containing financial information and a data source that contains bit map data corresponding to the company logo.

29. (Previously Presented) The method of claim 28 wherein the financial information includes company identifiers and wherein the company identifiers are used to access bit maps corresponding to the company logos.

30. (Previously Presented) The method of claim 27 wherein displaying market data occurs with market conditions.

31. (Previously Presented) The method of claim 27 further comprising filtering the source containing financial data, and extracting the data to place the data in a database.

32. (Currently Amended) A method for displaying stock ticker information comprises:

extracting from a data feed having values of financial instruments, instrument identifiers and the values of the financial instruments;

accessing ~~graphic symbols~~ <u>graphics including non-textual information</u> in accordance with the extracted instrument identifiers;

associating the ~~graphic symbols~~ <u>graphics</u> with the corresponding values of the financial instruments to produce a financial instrument ticker; and

displaying the financial instrument ticker, as a moving financial instrument ticker of ~~graphic symbols~~ <u>graphics</u> juxtaposed with corresponding values of the financial instruments across a video display.

33. (Currently Amended) The method of claim 32 wherein the data feed of values includes identifiers that correspond to the financial instruments, and wherein accessing comprises:

accessing the ~~graphic symbols~~ <u>graphics</u> by using the identifiers to associate the ~~graphic symbols~~ <u>graphics</u> with the financial data.

34. (Currently Amended) The method of claim 32 <u>wherein the graphics are company logos, the method</u> further comprising:

correlating a bitmap of a company logo <u>to one of the graphics,</u> with financial information contained in a database.

35. (Previously Presented) The method of claim 32 further comprising updating data on the financial instrument ticker in accordance with current market conditions.

36. (Currently Amended) A method for dynamically displaying ~~graphic symbols~~ <u>graphics</u> and value information for financial instruments, the method comprising:

receiving a feed containing identifiers and corresponding values of financial instruments;

extracting from the feed the identifiers and corresponding values of the financial instruments;

retrieving ~~graphic symbols~~ graphics that include non-textual information associated with

the extracted identifiers;

forming a display signal including the retrieved ~~graphic symbols~~ graphics and values

corresponding to the financial instruments; and

displaying on a monitor the ~~graphic symbols~~ graphics juxtaposed with values

corresponding to the financial instruments.

37. (Previously Presented) The system of claim 17 wherein the market data corresponds to

trades in financial instruments and the company logo is associated with financial information

corresponding to a market price for the financial instrument.

38. (Previously Presented) The method of claim 27 wherein the stock ticker information

comprises trades of financial instruments.

Allowable Subject Matter

3.   Claims 1-38 are allowed.

In reference to claims 1, 15-17, 27, 32 and 36, the prior art of record does not explicitly

disclose graphics or company logos, which represent entities whose financial instruments are

identified in a feed, comprising of non-textual information in combination with the further

limitations of claims 1, 15-17, 27, 32 and 36.

In reference to claims 2-14, claims 2-14 are dependent upon allowable claim 1 and

therefore are also allowable.

In reference to claims 18-26 and 37, claims 18-26 and 37 are dependent upon allowable

claim 17 and therefore are also allowable.

In reference to claims 28-31 and 38, claims 28-31 and 38 are dependent upon allowable claim 27 and therefore are also allowable.

In reference to claims 33-35, claims 33-35 are dependent upon allowable claim 32 and therefore are also allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Antonio Caschera whose telephone number is (703) 305-1391. The examiner can normally be reached Monday-Thursday and alternate Fridays between 7:00 AM and 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella, can be reached at (703)-308-6829.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

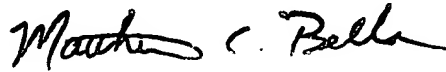**or faxed to:**

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,

Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Technology Center 2600 Customer Service Office whose telephone

number is (703) 306-0377.

aac

2/25/05

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

DETAILED ACTION CONT'D

References Cited

1.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure:

        a.   Chaney et al. (U.S. Patent 5,253,067)

                •   Chaney et al. discloses a channel labeling apparatus which displays a video

                    image with a logo image but however, does not associate such images with

                    financial data.

        b.   Buchner et al. (U.S. Patent 5,532,753)

                •   Buchner et al. discloses an on-screen remote control display showing icons

                    comprised of graphical and textual information but however, does not

                    associate this information with financial data.

Conclusion

        Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Antonio Caschera whose telephone number is (571) 272-7781.

The examiner can normally be reached Monday-Thursday and alternate Fridays between 7:30

AM and 5:00 PM.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Matthew Bella, can be reached at (571) 272-7778.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
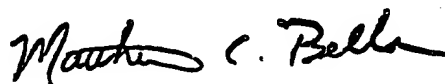
Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the Technology Center 2600 Customer Service Office whose telephone

number is (703) 306-0377.

aac

6/2/05

MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600